Table 1

Technical Evaluation(1st Stage–Technical Evaluation of the Proposal)

S. No.	Particulars	Marks
I	**Experience of consultant**	
(i)	Experience in preparation of Detailed Project Report, tender services& Cost Estimates for construction of new Sewage Treatment Plants The project should be completed within last 5 years. **50MLD to 100 MLD read as 60MLD to 100 MLD** Greater than 100 MLD	 4 6
(ii)	Experience in preparation of Detailed Project Report, tender services& Cost Estimates for outfall sewer, trunk sewer and submains connected to the STP's.The project should be completed within last 5 years. Less than 100km(above 400mm dia) Greater than 100 km(above 400mm dia).	 5 5
	Sub Total (Maximum Marks)	**20**
II	**Approach and Methodology**	
a)	**Methodology**	6
b)	**Work plan and Innovative solutions for speedy project completion**	6
c)	**Organization chart and Manning Schedule**	8
	Sub Total	**20**

III). Key Expert/ Person's Qualification and Experience:

The key expert/ person's qualifications and competence shall be assessed as given in **sub Table 1** and weightage for the key personnel shall be as given in **sub Table 2**.

Sub Table 1- EVALUATION OF KEY PERSONNEL QUALIFICATIONS

a) General Qualifications	
• Professional Qualifications	20%
• Length of Experience and Positions held	20%
Sub Total	**40%**
b) Adequacy for the Assignment	
• Adequacy for the assignment	60%
Sub Total	**60%**

Grand Total	**100%**

Sub Table 2 – Weightage of Points for Qualification and Experience of Key Personnel likely to be deployed

PART - A

Sl No.	**Key Personnel/ Experts**	**Points**
1	Environmental Engineer cum Team Leader	7.5
2	Process Engineer	5
3	Hydraulics Engineer	5
4	Structural Engineer	5
5	Mechanical Engineer	2.5
6	Electrical Engineer	2.5
7	Instrumentation Engineer	2.5
	Sub Total	30

PART - B

Sl. No.	**Key Personnel/ Experts**	**Points**
1	Civil Engineer cum Team Leader	7.5
2	Senior Surveying Engineer	7.5
3	Hydraulics Engineer	5
4	Civil Engineer	2.5
5	Mechanical Engineer	2.5
6	CAD Engineer	2.5
7	Surveyor Engineer	2.5
	Sub Total	**30**

Part A	30
Part B	30
Grand Total	60

- The consultant must achieve a minimum of 60% points in each of the items **(I), (II)** and **(III)** in Table-1 and 75% overall (average) in the Technical Proposal.

- Quality-Cost Ratio: 80: 20. (Weightage for technical proposal evaluation is 80% and that for financial proposal is 20%)

Key Professional Staff for Sewer Network

Key Personnel and experience required:

Table – K - Minimum Required Experience and Expertise of Proposed Key personnel details

S No	Position	Qualification	Specific experience
1	Team Leader	Master Degree in Environmental/ Civil Engineering	Minimum 10 years of experience, 5years experience as Team Leader. Should have led development of design of large-scaleSewer Network or bigger, with experience in designing latest technologies.
2	Senior SurveyorDesign Engineer (Civil / Structural)	Master /Graduate in Civil / Structural Engineering	Minimum of 10years of relevant experience in design review of sewer network facilities. Should have led development of design of large scale sewer network facilities of size 100km or bigger with experience in designing latest technologies. Proven experience in coordinating with mechanical engineers, and piping engineers.
3	Hydraulic Engineer - Mechanical Engineer	Bachelor degree in Mechanical Engineering	Minimum of 10 years of relevant experience in planning, detailed engineering, tendering, in mechanical systems for large scale water, and wastewater projects. Proven experience in selection and sizing of mechanical systems, along with mechanical operations and maintenance of large sewer network facilities.
4	Civil Engineer	Bachelor degree in Civil Engineering	Minimum of 10 years of relevant experience in planning, detailed engineering, tendering, in civil systems for large scale water, and wastewater projects. Proven experience in selection and sizing of piping systems, along with operations and maintenance of large sewer network facilities.
5	Mechanical Engineer	Bachelor degree in Mechanical Engineering	Minimum of 10 years of relevant experience in mechanical design review in sewer network facilities
6	CAD Draftsman	Bachelor degree in Civil Engineering / Diploma	Minimum of 10 years of relevant experience in design of sewer network drawings in CAD

S No	Position	Qualification	Specific experience
7	Quantity Surveyor	Bachelor degree	Minimum of 10 years of relevant experience.

Executive Engineer,

(WWM-P)V.V, BWSSB